

Title (en)
Adaptor for interconnecting optical fibers

Title (de)
Adapter zum Verbinden von optischen Fasern

Title (fr)
Adapteur pour l'interconnexion de fibres optique

Publication
EP 0811861 B1 20050810 (EN)

Application
EP 97108999 A 19970604

Priority
• JP 19557096 A 19960705
• JP 16855196 A 19960607

Abstract (en)
[origin: EP0811861A1] Disclosed optical fiber connector adaptor (1) includes a guide cylinder (8) to accommodate two ferrules (7,22), each attached to an end of a different optical fiber (4,6), which are to be connected to each other with their optical axes aligned by inserting the ferrules (7,22) in the guide cylinder (8) from its opposite sides. The adaptor (1) has outer and inner hollow bodies (2,3) which are adapted to telescope within each other during assembly. Each hollow body (2,3) has a cylindrical holder (11a,11b) to surround and hold the guide cylinder (8) allowing an optical fiber connector (5) having a ferrule (22) at its end to be press-fit in the outer hollow body (2) until the ferrule (22) is inserted in the guide cylinder (8). The inner hollow tube (3) permits the press-fit of a ferrule (7), which is attached to the end of another optical fiber (6) and mounted in an optical fiber plug (27), into the guide cylinder (8) on the open side of the inner hollow body (3). <IMAGE>

IPC 1-7
G02B 6/38

IPC 8 full level
G02B 6/38 (2006.01)

CPC (source: EP US)
G02B 6/3825 (2013.01 - EP US); **G02B 6/3893** (2013.01 - EP US)

Citation (examination)
• EP 0757264 A2 19970205 - MOLEX INC [US]
• JP S6432212 A 19890202 - FUJIKURA LTD
• EP 0581527 A1 19940202 - AMERICAN TELEPHONE & TELEGRAPH [US]
• US 5073042 A 19911217 - MULHOLLAND DENIS G [US], et al
• US 5408557 A 19950418 - HSU CHUNG-TANG [TW]

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0811861 A1 19971210; EP 0811861 B1 20050810; DE 69733917 D1 20050915; DE 69733917 T2 20060413; KR 100278943 B1 20010115; KR 980003654 A 19980330; TW 367049 U 19990811; US 5815618 A 19980929

DOCDB simple family (application)
EP 97108999 A 19970604; DE 69733917 T 19970604; KR 19970023323 A 19970605; TW 87212132 U 19970606; US 86345297 A 19970527